

Chapter 1 Quiz Study Guide

Lessons 1-1 through 1-4

*Please be sure to review all new vocabulary from Lessons 1-1 through 1-4

- Expression, Standard Form, Compatible Numbers, Commutative Properties, Associative Properties, Identity Properties

Lesson 1-1 Understanding Whole Numbers (aqe-0101 / aqa-0101)

- 1) The land area of Oklahoma is 68,667 square miles. Washington includes about 66,544 square miles and Missouri includes about 68,886 square miles. Order the states from **least to greatest** number of square miles.

_____, _____, _____

- 2) Use $<$, $=$, or $>$ to complete each statement:

a) $29,286$ _____ $29,826$

b) $31,010$ _____ $30,101$

Lesson 1-2 Estimating With Whole Numbers (aqe- 0102 / aqa- 0102)

- 3) Estimate by rounding each number first- show what you round each number to:

a) $47 + 228 + 23$

b) $6,963 - 3,098$

- 4) Estimate Using Compatible Numbers- show what you change each number to:

a) $69 \div 7$

b) $2 \times 3,978$

c) $611 \div 57$

Lesson 1-3 Properties of Numbers (aqe-0103 / aqa-1013)

- 5) Draw a line to match each property to an example of that property:

Associative Property of Multiplication

$$123 + 321 = 321 + 123$$

Commutative Property of Multiplication

$$7 \times (8 \times 9) = (7 \times 8) \times 9$$

Associative Property of Addition

$$345 \times 1 = 345$$

Commutative Property of Multiplication

$$(67 + 35) + 12 = 67 + (35 + 12)$$

Identity Property of Multiplication

$$321 \times 123 = 123 \times 321$$

6) Use mental math to find:

a) $(8 + 17) + 13$

b) $5 \times 47 \times 2$

c) $81 + 23 + 19$

7) Explain, in complete sentences, the strategy you used to make adding $(8 + 17) + 13$ easier to do mentally:

Lesson 1-4 Order of Operations (aqe-0104 / aqa- 0104)

8) Find the value of each expression. Show your work step by step:

a) $29 - 4 \times 7$

b) $\$30 \div 2 + \30×2

c) $3(\$28 + \$32) - \$10$

After checking your answers in class, please reflect on what areas you need to work on:

Got It!

Almost!

Heavily Review

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|-----|--------------------------------------|--|--|--|
| 1-1 | Comparing and Ordering Whole Numbers | | | |
| 1-2 | Estimating with Whole Numbers | | | |
| 1-3 | Understanding Properties of Numbers | | | |
| 1-4 | Order of Operations | | | |